

IREDELL COUNTY--Continued

353145080524701. County number, IR-151; DENR Langtree Research Station MW-4 (Transition zone well).

LOCATION.--Lat 35°31'44.81", long 80°52'47.33", North American Datum of 1983, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .3 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Transition zone (bedrock quartz diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 53 ft, diameter 4 in., cased to 38 ft, screened interval from 38 to 53 ft, sand filter packed with native fill 35 to 53 ft (revised).

INSTRUMENTATION.--Measured periodically with steel and electric tape. (by DENR and USGS)

DATUM.--Land surface datum is 802.19 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 0.00 ft below land surface datum.

REMARKS.--Well is part of Piedmont/Mountains ground-water project.

PERIOD OF RECORD.--May 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.60 ft below land-surface datum, June 19, 2001; lowest water level measured 36.54 ft below land surface datum, Sept. 17, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL										
OCT 04	35.16	DEC 12	35.73	FEB 21	35.37	APR 24	36.25	JUN 12	35.78	AUG 13	36.30
NOV 14	35.51	JAN 17	35.98	MAR 22	36.35	MAY 15	36.01	JUL 11	35.93	SEP 17	36.54

